

Abstract

Method for data transmission in a mobile radio system,
mobile station and base station

For the purpose of observing GSM base stations, interruption phases are inserted in a UMTS transmission. To reduce the number of these interruption phases, the maximum effective duration of the interruption phases is chosen to be shorter than is needed under optimum transmission conditions for secure detection of a data packet which is to be detected and is sent from a GSM base station. A shrewd choice of parameters provides a better ratio of effort (effective duration of the interruption phase) to result (detection probability).

Figure 1

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